

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A method for data transmission in a power supply network, wherein data transmitted on a particular phasing line (11) of the power supply network is received and then re-transmitted, characterized in that the data is re-transmitted on at least one phasing line (12, 13) different from the said phasing line (11).
2. (original) A method as claimed in claim 1, characterized in that the data is re-transmitted on all phasing lines (11 - 13).
3. (currently amended) A method as claimed in claim ~~1 or 2~~, characterized in that the data is re-transmitted on the phasing lines (11 - 13) on which its original signal strength lay below a threshold value.
4. (currently amended) A method as claimed in ~~at least one of claims 1 to 3~~claim 1, characterized in that the data is re-transmitted only on the phasing lines (11 - 13) to which the addressees (20 - 25) of the data are connected.

5. (currently amended) A method as claimed in ~~at least one of claims 1 to 4~~claim 1, characterized in that a preparation, in particular a channel equalization and channel matching, is undertaken before the re-transmission.

6. (original) A device (1) for data transmission in a power supply network, comprising a receiver (3 - 5) for receiving data transmitted on a first phasing line (11 - 13) of the power supply network, and a transmitter (3 - 5) for transmitting data on a second phasing line (12 - 13) of the power supply network, characterized in that the first and second phasing lines are different.

7. (original) A device as claimed in claim 6, characterized in that it comprises a receiver and a transmitter (3 - 5) for each phasing line (11 - 13) of the power supply network, and that all receivers and transmitters are coupled together by a control unit (2).

8. (currently amended) A device as claimed in claim ~~6 or 7~~, characterized in that it comprises a storage device for the temporary storage of data transmitted on the phasing lines (11 - 13) of the power supply network.

9. (currently amended) A device as claimed in ~~at least one of claims 6 to 8~~claim 6, characterized in that it is equipped with additional transmitting and receiving modules for connection to other networks with different transmission methods.

10. (currently amended) A device as claimed in ~~at least one of claims 6 to 9~~claim 6, characterized in that it is equipped with an additional network filter for separation of an in-home network from an external network, wherein a further transmitter and receiver are preferably integrated on the external side, and selected data is routed past the filter.